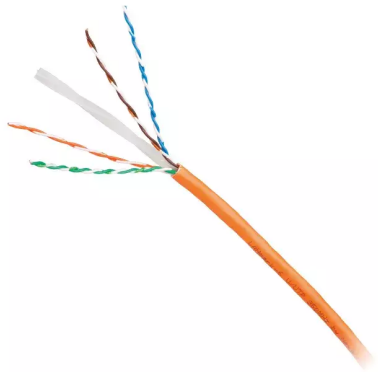
LANmark-6 U/UTP Cable

LANMARK-6 U/UTP AWG23 CAT 6 350MHZ LSZH CCA S1A D1 A1 ORANGE 500M REEL



Aginode Ref: N100.605-OC

- Compliant with all Category 6 cable standards
- Supports Class E applications
- Central cross member maintains geometry and performance
- Tested up to 350MHz
- Enhanced reaction-to-fire performance according to CPR classification Cca-s1a,d1,a1 (h/EN50575:2014+A1:2016)

Application

Aginode LANmark-6 cables are the ideal solution for most of today's network requirements in normal office environments. They are manufactured and tested to the latest Category 6 specifications defined in the International and American cable standards and are designed to meet the quality and performance criteria needed to support all applications up to 250 MHz.

- 10baseT Ethernet
- 100baseTX Fast Ethernet
- 1000baseTX Gigabit Ethernet
- 155 MBit ATM
- 622 MBit ATM
- 1.2 Gbit ATM
- Future class E applications

Design

The LANmark-6 U/UTP cables have a central cross element which helps maintaining the stability of the cable geometry and reduces the risk of a reduction in performance when bending the cable.
The cables are available with a Dark Grey PVC or an Orange LSZH sheath. Both versions have flame retardant properties compliant with IEC 60332-1 and are compliant with EuroClass Eca according to EN50575:2014 +A1:2016.

EuroClass Dca and Cca versions are also available.

STANDARDS

ANSI/TIA-568-C.2
EN 50173-1
EN 50288
IEC 60332-3
IEC 61156-5
ISO/IEC 11801

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Performance

Tested to 350 MHz and with guaranteed performance to 250 MHz, Aginode LANmark-6 cables exceed the requirements of the International, European and American cable standards, including ISO/IEC 11801, IEC 61156-5, EN 50173, EN 50288 and TIA/EIA 568-C.2.

Installation

To support the correct set-up of hand held analysers for installation testing, the actual cable NVP value is given in the cable's print legend.

Guarantees

The LANmark-6 cable performance is guaranteed to meet or exceed the requirements of the above mentioned standards.

Traceability codes on both cable and packaging ensure quality validation of the installed cable.

Installations with LANmark-6 cable and connectivity are qualified for a 25 year full system warranty, which includes Parts, Channel Performance, Application Support and Labour, as described in the Aginode Certified System Warranty.

Electrical Performance LANmark-6 U/UTP Cable

	IL		NEXT		PSNEXT		ACR-F		PS ACR-F		RL	
Freq.	in Db/100m		in dB		in dB		in dB		in dB		in dB	
in MHz	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.
1	2,0	2,0	74,3	80,3	72,3	78,3	67,8	72,8	64,8	69,8	20,0	22,0
4	3,8	3,8	65,3	71,3	63,3	69,3	55,8	60,8	52,8	57,8	23,0	25,0
10	6,0	6,0	59,3	65,3	57,3	63,3	47,8	52,8	44,8	49,8	25,0	27,0
16	7,6	7,6	56,2	62,2	54,2	60,2	43,7	48,7	40,7	45,7	25,0	27,0
20	8,5	8,5	54,8	60,8	52,8	58,8	41,8	46,8	38,8	43,8	25,0	27,0
31,25	10,7	10,7	51,9	57,9	49,9	55,9	37,9	42,9	34,9	39,9	23,6	25,6
62,5	15,4	15,4	47,4	53,4	45,4	51,4	31,9	36,9	28,9	33,9	21,5	23,5
100	19,8	19,8	44,3	50,3	42,3	48,3	27,8	32,8	24,8	29,8	20,1	22,1
155	25,2	25,2	41,4	47,4	39,4	45,4	24,0	29,0	21,0	26,0	18,8	20,8
200	29,0	29,0	39,8	45,8	37,8	43,8	21,8	26,8	18,8	23,8	18,0	20,0
250	32,8	32,8	38,3	44,3	36,3	42,3	19,8	24,8	16,8	21,8	17,3	19,3
300	-	36,4	-	43,1	-	41,1	-	23,3	-	20,3	-	18,8
350	-	39,8	-	42,1	-	40,1	-	21,9	-	18,9	-	18,3

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LANmark-6 U/UTP AWG23 Cat 6 350MHz LSZH Cca s1a d1 a1 Orange 500m reel

Characteristics

结构特性	
颜色	橙
外护套	低烟无卤
屏蔽	非屏蔽
电缆类型	U/UTP
尺寸特性	
近似重量	38 kg/km
导体横截面尺寸（AWG）	23
绝缘外径	1.02 mm
标称外径	6.0 mm
电气特性	
特性阻抗	100 Ohm
20°C时导体的最大直流电阻	85 Ohm/km
互电容	56 nF/km
机械特性	
最大操作抗拉强度	100 N
传输特性	
衰减串扰比，250MHz	5.5 dB/100m
耦合衰减在30MHz	45 dB
传播速度	68 %
传播延迟值，最大100MHz	536 ns/100m
时延值	30 ns/100m
使用特性	
环境安装温度，范围	-10...60 °C
类型	Cat. 6
应用类型	室内

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阻燃	IEC 60332-3
阻燃 - 火焰	IEC 60332-1
长度	500 m
最小弯曲半径 - 安装	48 mm
最小弯曲半径 - 工作	24 mm
操作温度，范围	-20...60 °C
包装	电缆盘
范围	LANmark-6
烟密度	IEC 61034

业绩声明

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